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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SECURITIES BLDG.

HELENA, MONTANA

VOL. VII, No. 9 McKEE PRINT. September, 1959

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1959, averaged 84,105 barrels daily, an increase of 1,493 barrels from the average August production of 82,612.

The ten refineries in the State processed 69,164 barrels of crude oil daily for the month of September, 1959, a decrease of 11,635 barrels daily from the 80,799 barrels processed daily during the month of August, 1959.

During September, 27 wells were completed, 10 oil, 3 gas wells and 14 dry holes.

During September, the Commission issued 33 permits to drill new wells, a decrease of 3 from the 36 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF SEPTEMBER, 1959

IN STORAGE SEPTEMBER 1st:	
By Producers	377,906
By Transporters	614,124
By Refiners	634,813
TOTAL STORAGE	1,626,843
Produced in Montana During Month	2,523,157
Imported During Month	1,409,416
TOTALS	5,559,416
DISPOSITION:	
Refined in Montana	2,074,971
Exported	1,888,444
Used for Fuel or Lost	966
TOTAL	3,964,381
IN STORAGE SEPTEMBER 30th:	
By Producers	372,219
By Transporters	647,228
By Refiners	575,588
TOTAL STORAGE	1,595,035

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1959

Field	M Cu. FT.
Bears Den	14,739
Big Coulee	56,950
Bowdoin	72,487
Bowes	16,021
Box Elder	0
Cabin Creek	83,312
Cedar Creek	170,048
Clarks Fork	38,155
Cut Bank (Including Reagan)	386,022
Devon	20,390
Dry Creek	74,743
Elk Basin	50,227
Flat Coulee	10,140
Golden Dome	0
Grandview	93,189
Hardin	3,276
Keith Block	0
Kevin Sunburst	61,670
Pine	75,458
Plevna	16,470
Utopia	119,059
Whitlash	20,418
Miscellaneous	61,820
TOTAL	1,444,594

Total Withdrawals for September, 1958 were 1,715,802 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF SEPTEMBER, 1959

Leases Operated	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	1,066	2,260	.....	2,680	.....	646
5	Bannatyne	10	2,716	2,671	.....	2,547	.....	2,840
....	Belfry	....	45	.....	.....	.....	.....	45
8	Big Wall	23	2,415	17,184	.....	16,463	241	2,895
11	Blackfoot	15	3,819	9,807	.....	10,366	20	3,240
3	Border	3	.....	2,276	.....	2,276	.....	.....
20	Bowes	83	3,926	26,692	26,865	.....	.....	3,753
1	Bredette	1	1,687	156	.....	.....	.....	1,843
3	North Bredette	3	2,160	5,388	3,630	.....	.....	3,918
3	Brorson	3	2,798	4,080	2,822	.....	.....	4,056
2	Cabin Creek	93	6,993	354,132	353,164	.....	157	7,804
25	Cat Creek	84	4,736	11,497	7,229	4,109	.....	4,895
1	Clark's Fork	1	550	119	.....	.....	.....	669
3	Clark's Fork North	5	4,881	15,741	.....	16,302	.....	4,320
2	Cupton	2	969	1,736	1,515	.....	.....	1,190
357	Cut Bank	1,140	128,689	174,346	176,573	.....	99	126,363
3	Deer Creek	6	1,584	17,001	16,523	.....	.....	2,062
4	Delphia	4	941	4,521	.....	3,752	.....	1,710
1	Devil's Basin	1	1,180	192	.....	184	.....	1,188
5	Dry Creek	6	1,545	3,411	3,615	.....	.....	1,341
20	Elk Basin	58	3,725	364,145	363,591	.....	737	3,542
1	Fertile Prairie	1	1,325	259	.....	.....	.....	1,584
2	Frannie	2	454	2,184	2,137	.....	.....	501
2	Gage	2	1,081	1,522	.....	1,460	.....	1,143
4	Gas City	11	5,037	16,041	18,266	.....	.....	2,812
6	Glendive	12	6,054	40,114	42,571	.....	.....	3,597
3	Gypsy Basin	3	1,188	668	.....	1,067	.....	789
2	Hawk Creek	2	1,245	306	.....	671	.....	880
5	Ivanhoe	13	5,049	9,881	.....	10,474	.....	4,456
195	Kevin-Sunburst	1,375	18,187	68,054	70,115	.....	.....	16,126
1	Line Coulee	1	1,414	465	.....	.....	.....	1,879
1	Little Beaver	7	1,995	15,171	15,498	.....	.....	1,668
4	East Little Beaver	5	2,254	4,161	3,001	.....	.....	3,414
5	Melstone	9	2,543	5,004	.....	5,716	.....	1,831
3	Monarch	4	2,591	15,168	13,923	.....	.....	3,836
3	Mosser	5	360	539	.....	539	.....	360
10	Outlook Area	14	10,508	53,070	44,790	.....	.....	18,788
10	Pennel	21	4,666	41,319	39,737	.....	.....	6,248
6	Pine	139	14,310	397,836	404,016	.....	.....	8,130
81	Pondera	326	8,757	44,800	44,084	.....	.....	9,473
8	East Poplar	95	22,134	314,568	312,705	.....	.....	23,997
3	Northwest Poplar	4	757	2,761	1,122	.....	.....	2,396
4	Ragged Point	9	2,754	13,995	.....	14,306	.....	2,443
....	Rattlesnake Butte	....	116	.....	.....	.....	.....	116
4	Reagan	50	3,063	16,984	16,720	.....	.....	3,327
6	Red Creek	13	3,830	15,710	.....	17,320	.....	2,220
1	Redstone	1	841	537	721	.....	.....	657
1	Repeat	1	867	2,139	2,355	.....	.....	651
9	Richey	12	7,167	19,900	17,524	.....	540	9,003
3	Sand Creek	4	1,739	12,835	11,701	.....	.....	2,873
2	Snyder	4	487	1,963	.....	1,888	.....	562
4	Soap Creek	13	2,576	4,568	.....	4,991	.....	2,153
2	Southwest Richey	2	1,881	3,842	4,300	.....	.....	1,423
6	Stensvad	16	13,159	133,260	138,093	.....	959	7,362
24	Sumatra	79	21,129	168,678	168,320	.....	.....	21,487
3	Sweetgrass Hills	3	423	437	.....	354	.....	506
9	Whitlash	36	14,796	3,178	1,914	1,398	.....	14,662
6	Wills Creek	11	8,305	30,773	34,632	.....	.....	4,446
9	Wolf Springs	19	5,178	41,635	42,087	.....	.....	4,726
2	Woodrow	2	610	1,477	1,364	.....	.....	723
....	Yellowstone	....	651	.....	.....	.....	.....	651
928		3,871	377,906	2,523,157	2,407,228	118,863	2,753	372,219

Total Oil Produced and Shipped From Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1958	27,958,649	76,593	27,878,576	76,379
First Quarter, 1959	7,287,446	80,971	7,258,943	80,654
Second Quarter, 1959	7,262,121	79,803	7,245,821	79,624
July, 1959	2,635,882	85,028	2,634,642	84,988
August, 1959	2,561,002	82,612	2,557,787	82,509
September, 1959	2,523,157	84,105	2,526,091	84,203

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1958	342,798	707,901	518,033	1,568,732
March, 1959	368,699	661,262	562,586	1,592,547
June, 1959	376,081	627,475	812,606	1,816,162
September, 1959	372,219	647,228	575,588	1,595,035

*Includes Wyoming Oil

TRANSPORTERS REPORT

MONTH OF SEPTEMBER, 1959

	Storage First Of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,680				2,680		
BANNATYNE—Truck			2,547			2,547			
BIG WALL—Truck			16,463			16,463			
BLACKFOOT—Union Oil Co.			10,366			10,366			
BORDER—Truck			2,276			2,276			
BOWES—									
Trigood Oil Co.	3,067	3,598			34	4,313			2,318
Texaco Inc.		23,267				23,267			
	3,067	26,865			34	27,580			2,318
BRORSON—Sun Oil Company		2,822					2,822		
CABIN CREEK & OTHERS*—									
Butte Pipe Line Co.	294,088	852,033		518,954			1,366,763		298,312
Shell Pipe Line Corp.	1,142	76,592			(4,491)			79,395	2,830
	295,230	928,625		518,954	(4,491)		1,366,763	79,395	301,142
CAT CREEK—									
Continental Pipe Line Co.	4,380	7,229			(1)	6,791			4,819
Truck			4,109			4,109			
	4,380	7,229	4,109		(1)	10,900			4,819
CLARK'S FORK—Truck			16,302				16,302		
CUT BANK—									
Big West Oil Co.		1,133		23,381		24,514			
Darling Gathering System, Inc.	1,248	4,885						4,932	1,201
Phillips Petroleum Co.	24,477	49,403		40,055	17	64,971		12,142	36,805
Texas Pipe Line Co.	33,161	30,471		11,446	792	7,147		23,667	43,472
Toronto Pipe Line Co.	31,220	47,542			169			48,971	29,622
Union Oil Co.	118,473	46,322		17,759	(14)	28,353		9,814	144,401
	208,579	179,756		92,641	964	124,985		99,526	255,501
DEVILS BASIN—Truck			184				184		
DELPHIA—Truck			3,752			3,752			
DRY CREEK—Ohio Oil Co.	7,968	3,614			71	3,195			8,316
ELK BASIN—Ohio Oil Co.		363,591					363,591		
FRANNIE—Ohio Oil Co.		2,137					2,137		
GAGE—Truck			1,460			1,460			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	6,235	72,142			731		24,188	48,902	4,556
GYPSY BASIN—Truck			1,067			1,067			
HAWK CREEK—Truck			671			671			
IVANHOE—Truck			10,474			1,424	9,050		
KEVIN-SUNBURST—									
Big West Oil Co.	2,170	40,725				40,767			2,128
Homestake Oil & Gas Co.	1,221	2,509		4,932				7,399	1,263
The Texas Pipe Line Co.	4,077	35,791			138	35,653			4,077
	7,468	79,025		4,932	138	76,420		7,399	7,468
MELSTONE—Truck			5,716			5,716			
MOSSER—Truck			539				539		
PONDERA—Phillips Petr. Co.	9,595	47,687		9,182	389	52,682			13,393
POPLAR, BREDETTE, OUTLOOK, LINE COULEE, REDSTONE & RICHEY—									
East Poplar Gathering System	33,765	373,274			(200)			390,655†	16,584
RAGGED POINT—Truck			14,306			14,306			
REAGAN—Union Oil Co.		16,720				16,720			
RED CREEK—Truck			17,320			9,369	7,951		
SNYDER—Truck			1,888				1,888		
SOAP CREEK—Truck			4,991				4,991		
SUMATRA & STENSVAD —									
Powder River Pipe Line Inc.	26,000	299,055			(433)	212,559	85,358		27,571
SWEETGRASS HILLS—Truck			354			354			
WHITLASH—									
Homestake Oil & Gas Co.				2,983		2,983			
Western Natural Gas Co.	2,008	1,914						2,815	1,107
Truck			1,398			1,398			
	2,008	1,914	1,398	2,983		4,381		2,815	1,107
WOLF SPRINGS—									
Powder River Pipe Line Co.	9,829	41,785			331	46,830			4,453
TOTALS	614,124	2,446,241	118,863	628,692	(2,467)	646,023	1,888,444	628,692	647,228

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF SEPTEMBER, 1959

Field	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Texas Calgary Co.	Union Oil Co.	Total by Fields
Blackfoot										8,891	8,891
Border	2,276										2,276
Bowes				21,676							21,676
Cat Creek			3,501		4,173	4,550					12,224
Clark's Fork					317						317
Cut Bank	17,553						64,589	36,331		23,899	142,372
Delphia						5,012					5,012
Dry Creek					3,631						3,631
Elk Basin		182,695	59,732								242,427
Gage					296	1,240					1,536
Ivanhoe						4,388					4,388
Kevin-Sunburst	36,435							78,235			114,670
Melstone					6,413						6,413
Pondera							49,544				49,544
Reagan										16,720	16,720
Red Creek		9,369									9,369
Soap Creek									3,102		3,102
Sumatra		139,716			110,248						249,964
Sweetgrass Hills	355										355
Whitlash	177									1,053	1,230
Wolf Springs		41,190									41,190
Total Montana Oil	56.796	372,970	63,233	21,676	125,078	15,190	114,133	114,566	3,102	50,563	937,307
Canadian Oil Imported										556	556
Wyoming Oil Imported		665,474			471,634						1,137,108
TOTAL Montana, Canadian and Wyoming Oil	56,796	1,038,444	63,233	21,676	596,712	15,190	114,133	114,566	3,102	51,119	2,074,971

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1958	25,108	.32	38,599	63,739
September, 1958	20,250	....	43,960	64,210
September, 1959	31,243	.18	37,903	69,164

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
39.39%	.05%	60.56%
31.54%	....	68.46%
45.17%	.03%	54.80%